

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/441,061DATE: 01/29/2000
TIME: 02:57:05

INPUT SET: S34566.raw

**This Raw Listing contains the General
Information Section and up to the first 5 pages.**

SEQUENCE LISTING

ENTERED

(1) General Information:

(i) APPLICANT: ENDL, Josef
STAHL, Peter
ALBERT, Winfried
JUNG, Guenther-Gerhard
SCHENDEL, Dolores J.
MEINL, Edgar
DORNMAIR, Klaus

(ii) TITLE OF INVENTION: ANTIGEN-SPECIFIC, ACTIVATED T
LYMPHOCYTES, DETECTION AND USE

(iii) NUMBER OF SEQUENCES: 39

(iv) CORRESPONDENCE ADDRESS:

(A) ADDRESSEE: Nikaido, Marmelstein, Murray & Oram LLP
(B) STREET: 655 Fifteenth Street N.W. Suite 330
(C) CITY: Washington
(D) STATE: D.C.
(E) COUNTRY: U.S.A.
(F) ZIP: 20005-5701

(v) COMPUTER READABLE FORM:

(A) MEDIUM TYPE: Floppy disk
(B) COMPUTER: IBM PC compatible
(C) OPERATING SYSTEM: PC-DOS/MS-DOS
(D) SOFTWARE: PatentIn Release #1.0, Version #1.30

(vi) CURRENT APPLICATION DATA:

(A) APPLICATION NUMBER: 09/441,061
(B) FILING DATE:
(C) CLASSIFICATION:

(vii) PRIOR APPLICATION DATA:

(A) APPLICATION NUMBER: US 08/374,468
(B) FILING DATE: 18-JAN-1995

(A) APPLICATION NUMBER: DE P 44 01 629.8
(B) FILING DATE: 20-JAN-1994

(vii) PRIOR APPLICATION DATA:

(A) APPLICATION NUMBER: DE P 44 03 522.5
(B) FILING DATE: 04-FEB-1994

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47
48 (vii) PRIOR APPLICATION DATA:
49 (A) APPLICATION NUMBER: DE P 44 18 091.8
50 (B) FILING DATE: 24-MAY-1994
51
52 (viii) ATTORNEY/AGENT INFORMATION:
53 (A) NAME: Murray, Robert B.
54 (B) REGISTRATION NUMBER: 22,980
55 (C) REFERENCE/DOCKET NUMBER: P564-U5002
56
57 (ix) TELECOMMUNICATION INFORMATION:
58 (A) TELEPHONE: (202)638-5000
59 (B) TELEFAX: (202)638-4810
60
61
62 (2) INFORMATION FOR SEQ ID NO:1:
63
64 (i) SEQUENCE CHARACTERISTICS:
65 (A) LENGTH: 8 amino acids
66 (B) TYPE: amino acid
67 (C) STRANDEDNESS:
68 (D) TOPOLOGY: linear
69
70 (ii) MOLECULE TYPE: peptide
71
72
73 (ix) FEATURE:
74 (A) NAME/KEY: Peptide
75 (B) LOCATION: 1
76 (D) OTHER INFORMATION: /note= "Xaa in position 1 is an
77 optional sequence selected from 1 to 10 amino acids."
78
79 (ix) FEATURE:
80 (A) NAME/KEY: Peptide
81 (B) LOCATION: 6
82 (D) OTHER INFORMATION: /note= "Xaa in position 6 is Thr or Glu."
83
84 (ix) FEATURE:
85 (A) NAME/KEY: Peptide
86 (B) LOCATION: 8
87 (D) OTHER INFORMATION: /note= "Xaa in position 8 is
88 an optional sequence selected from 1 to 8 amino acids."
89
90
91 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:
92
93 Xaa Pro Glu Val Lys Xaa Lys Xaa
94 1 5
95
96 (2) INFORMATION FOR SEQ ID NO:2:
97
98 (i) SEQUENCE CHARACTERISTICS:
99 (A) LENGTH: 25 amino acids

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100 (B) TYPE: amino acid
101 (C) STRANDEDNESS:
102 (D) TOPOLOGY: linear
103
104 (ii) MOLECULE TYPE: peptide
105
106
107
108 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:
109
110 Gly Met Ala Ala Leu Pro Arg Leu Ile Ala Phe Thr Ser Glu His Ser
111 1 5 10 15
112
113 His Phe Ser Leu Lys Lys Gly Ala Ala
114 20 25
115
116 (2) INFORMATION FOR SEQ ID NO:3:
117
118 (i) SEQUENCE CHARACTERISTICS:
119 (A) LENGTH: 20 amino acids
120 (B) TYPE: amino acid
121 (C) STRANDEDNESS:
122 (D) TOPOLOGY: linear
123
124 (ii) MOLECULE TYPE: peptide
125
126
127 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:
128
129 Glu Arg Gly Lys Met Ile Pro Ser Asp Leu Glu Arg Arg Ile Leu Glu
130 1 5 10 15
131
132 Ala Lys Gln Lys
133 20
134
135 (2) INFORMATION FOR SEQ ID NO:4:
136
137 (i) SEQUENCE CHARACTERISTICS:
138 (A) LENGTH: 14 amino acids
139 (B) TYPE: amino acid
140 (C) STRANDEDNESS:
141 (D) TOPOLOGY: linear
142
143 (ii) MOLECULE TYPE: peptide
144
145
146 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:
147
148 Leu Pro Arg Leu Ile Ala Phe Thr Ser Glu His Ser His Phe
149 1 5 10
150
151 (2) INFORMATION FOR SEQ ID NO:5:
152

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153 (i) SEQUENCE CHARACTERISTICS:
154 (A) LENGTH: 20 amino acids
155 (B) TYPE: amino acid
156 (C) STRANDEDNESS:
157 (D) TOPOLOGY: linear
158
159 (ii) MOLECULE TYPE: peptide
160
161
162
163 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:
164
165 Gly Met Ala Ala Leu Pro Arg Leu Ile Ala Phe Thr Ser Glu His Ser
166 1 5 10 15
167
168 His Phe Ser Leu
169 20
170
171 (2) INFORMATION FOR SEQ ID NO:6:
172
173 (i) SEQUENCE CHARACTERISTICS:
174 (A) LENGTH: 20 amino acids
175 (B) TYPE: amino acid
176 (C) STRANDEDNESS:
177 (D) TOPOLOGY: linear
178
179 (ii) MOLECULE TYPE: peptide
180
181
182
183 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:6:
184
185 Ala Leu Pro Arg Leu Ile Ala Phe Thr Ser Glu His Ser His Phe Ser
186 1 5 10 15
187
188 Leu Lys Lys Gly
189 20
190
191 (2) INFORMATION FOR SEQ ID NO:7:
192
193 (i) SEQUENCE CHARACTERISTICS:
194 (A) LENGTH: 20 amino acids
195 (B) TYPE: amino acid
196 (C) STRANDEDNESS:
197 (D) TOPOLOGY: linear
198
199 (ii) MOLECULE TYPE: peptide
200
201 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:7:
202
203 Arg Leu Ile Ala Phe Thr Ser Glu His Ser His Phe Ser Leu Lys Lys
204 1 5 10 15
205

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206 Gly Ala Ala Ala
207 20
208
209 (2) INFORMATION FOR SEQ ID NO:8:
210
211 (i) SEQUENCE CHARACTERISTICS:
212 (A) LENGTH: 20 amino acids
213 (B) TYPE: amino acid
214 (C) STRANDEDNESS:
215 (D) TOPOLOGY: linear
216
217 (ii) MOLECULE TYPE: peptide
218
219
220
221 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:8:
222
223 Pro Glu Val Lys Glu Lys Gly Met Ala Ala Leu Pro Arg Leu Ile Ala
224 1 5 10 15
225
226 Phe Thr Ser Glu
227 20
228
229 (2) INFORMATION FOR SEQ ID NO:9:
230
231 (i) SEQUENCE CHARACTERISTICS:
232 (A) LENGTH: 18 amino acids
233 (B) TYPE: amino acid
234 (C) STRANDEDNESS:
235 (D) TOPOLOGY: linear
236
237 (ii) MOLECULE TYPE: peptide
238
239
240
241 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:9:
242
243 Ala Ala Leu Pro Arg Leu Ile Ala Phe Thr Ser Glu His Ser His Phe
244 1 5 10 15
245
246 Ser Leu
247
248
249 (2) INFORMATION FOR SEQ ID NO:10:
250
251 (i) SEQUENCE CHARACTERISTICS:
252 (A) LENGTH: 16 amino acids
253 (B) TYPE: amino acid
254 (C) STRANDEDNESS:
255 (D) TOPOLOGY: linear
256
257 (ii) MOLECULE TYPE: peptide
258

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SEQUENCE VERIFICATION REPORT
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